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Combined Form PTO/SB/08A&B	Application Number	New Application		
INFORMATION DISCLOSURE	Confirmation Number	10/590704		
STATEMENT BY APPLICANT	Filing Date	August 25, 2006		
STATEMENT DI ATTEICANI	First Named Inventor	Fumihiko KIMURA et al.		
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Sheet 1 of 1	Attorney Docket Number	062916		
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	U.S. PATENT DOCUMENTS							
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Examiner Initials*	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document			
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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation
CO-	1	Kenjiro MIURA – Transactions of Information Processing Society of Japan, Vol. 38, No. 11, pages 2227 to 2336, 1997. Cited in the international search report.	
W	2	Shigure GU – Journal of the Robotics Society of Japan, Vol. 8, No. 6, pages 40 to 47, 1990. Cited in the international search report.	
روی	3 -	International Search Report of PCT/JP2005/002132, date of mailing May 31, 2005.	

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Examiner Signature		Date Considered	· [*1]*	
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Combined Form PTO/SB/08.	A & D			Complete if Known		
Compined Form F 10/3D/08/	AGED			Application Number	10/590,704	
INFORM	ATION DISCI	LOS	URE	Confirmation Number	4387	
	ENT BY APP			Filing Date	August 25, 2006	
, \$7				First Named Inventor	Fumihiko KIMURA et al.	
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Initials*	No.'	Country Code <sup>3</sup>	Number4	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation <sup>6</sup>
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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazi journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where publis	ine, shed.	Translation
6	1 •	Kenjiro T. MIURA, "Unit Quaternion Integral Curve" Department of Mechanical Engineering, Shizuoka University, Nov. 1997, Vol. 38 No. 11, pp 2227-2236	Cite	d in ISR
00	2 •	Shi-yu QlU, et al., "Free Curve Interpolation Using Clothoidal Curve", JRSJ Vol. 8 No. 6, December 1990, pp 40-47	Cite ISR	ed in spec. &
0	3 •	Guiqing LI, et al., "3D Discrete Clothoid Splines", CGI 2001 (IEEE 2001), pp 321-324	Cite	ed in spec.

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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.¹	Foreign Patent Document			Publication Date	Name of Patentee or	T	
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